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Amendments to the claims:

The following listing of claims will replace all prior versions, and listings, of claims in this application.

Listing of claims:

1. (currently amended) A method of converting a ~~neural stem progenitor cell of a V2 interneuron which expresses Chx10~~ into a V2 ~~neuron~~ interneuron which comprises introducing into the ~~neural stem progenitor~~ cell, *ex vivo*, a nucleic acid which encodes homeodomain transcription factor Nkx6.1 protein, wherein the encoded protein is expressed in the ~~stem~~ progenitor cell so as to thereby convert the ~~neural stem~~ progenitor cell into the V2 ~~neuron~~ interneuron.
2. (currently amended) The method of claim 1, wherein the nucleic acid introduced into the ~~neural stem~~ progenitor cell integrates into the chromosomal DNA of the ~~stem~~ progenitor cell.
3. (original) The method of claim 1, wherein the nucleic acid is introduced by transfection or transduction.
4. - 12. (canceled)